

**METHODS AND SYSTEMS FOR DECOUPLING
THE STABILIZATION OF TWO LOOPS**

ABSTRACT

[028] Circuits and methods for dynamically stabilizing a circuit having a relatively small capacitive load two current loop sub circuits are provided. A main current loop and an associated sensing loop are coupled such that a compensation capacitance supplied to each sub circuit loop individually will remain isolated and will not be cumulative with respect to the remainder of the circuit.